

## ***N554 Drainage Water Management***

### **Purpose**

1. Reduce nutrient, pathogen, and/or pesticide loading from drainage systems into downstream receiving waters.
2. Reduce wind erosion.

### **Applicability**

Practice applies:

1. To farm lands where drainage is required for increased utilization of nutrients applied.
2. Where soil contains enough depth and permeability to allow installation of an effective and economically feasible system.
3. Where installation and operation of a water control structure will not impact adjacent fields or drainage systems.

### **Erosion Requirements**

Practice has no erosion requirements.

### **Specifications**

The completed practice must meet the NRCS Standards and Specifications for Drainage Water Management (554), Structure for Water Control (587) and Subsurface Drain (606) contained in the Field Office Technical Guide.

### **Policies**

1. The cooperator must be able to show crop history for three of the last five years.
2. The cooperator must keep records to verify adherence to a nutrient management plan, pest management plan, and water management plan for the duration of the maintenance life of the practice.
3. The effect of drainage systems on wetlands should be evaluated and documented by the USDA Wetland Conservation Certification form "AD-1026."
4. ***Cost-share is authorized for:***
  - a. The cost of main and lateral line materials; installation of main and lateral lines; and pipes and appurtenances. Assistance should not exceed 75% of \$350 per acre.
  - b. In addition, assistance is allowed on Water Control Structures and their installment at 75% of county average cost.
  - c. Cost-share is also authorized at 75% for piping, animal guards and trenching/backfill as separate components. These should **ONLY** be used for components that are needed to run pipe from the water control structure to the outlet point.
5. ***Cost-share is not authorized for:***
  - a. Land leveling or reshaping of the surface of land.
  - b. Costs incurred to develop or implement an irrigation water management plan.

- c. Costs incurred to develop or implement a nutrient management plan. The cooperator can receive incentives through the N590 Nutrient Management practice.
- d. Costs incurred to develop or implement a pest management plan. The cooperator can receive incentives through the N595 Pest Management practice.

**Maximum State Cost-Share**

Assistance is limited to 75% of the county average cost, not to exceed the state average cost.

**Map Requirements**

A map that displays the completed practice must be scanned and attached as a document type “Map” in MoSWIMS prior to contract payment submission.

**Technical Responsibilities**

Technical staff has the responsibility for determining the need for the practice, for design of the practice based upon the minimum extent necessary, and to certify that the completed practice meets NRCS standards and specifications within commission policy.

**Acres Served**

Acreage managed by the water level control structure.

**Extent Installed**

Acres.

**Maintenance Life**

10 years.